

International Association of Tropical Agriculture
and
Colonial Development.

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IMPERIAL INSTITUTE,

LONDON. S.W.

BRITISH SECTION.

Received... 6.8.13

Answered... 3.3.13

July, 1913.

Sir,

I enclose for your information a circular describing the origin, organisation, and work of the International Association of Tropical Agriculture and Colonial Development.

At the close of the International Congress of Tropical Agriculture held under the auspices of the Association at Brussels in May 1910, a meeting of the British Committee for that Congress was held, at which it was decided that the Committee should be retained as the nucleus of a permanent British Section of the International Association, and also to carry out the desire very generally expressed at the last General Assembly of the International Association, that the next International Congress of Tropical Agriculture and Colonial Development should if possible be held in London in 1914.

The Committee trust that you will become a member of the British Section of the International Association (see circulars enclosed).

Members of the British Section will, ipso facto, be members of the International Association and will pay an annual subscription of £1.

I also desire to ask whether you would be willing to serve on the Committee of the British Section,

I.H. Burkill, Esq.,

from

Director of Gardens,

Singapore.

from which the Organising Committee for the proposed London Congress will be formed.

In the event of your accepting this invitation the Committee trust that you may also be willing to act as their representative in the Straits Settlements and to secure additional members of the British Section. It is hoped that besides Government officials, planters, merchants and manufacturers will become members, and the Committee will be glad of your co-operation in this connection. 12 copies of the circular are enclosed and I hope that it may be possible for you to give publicity to this through your own and other publications.

I shall be glad to have a reply to this letter at your earliest convenience.

I am, Sir,

Your obedient Servant,

Wm. A. R. D. D. D.

International Association of Tropical Agriculture and Colonial Development.

BRITISH SECTION.

The International Association of Tropical Agriculture and Colonial Development was founded at the close of the first International Congress of Tropical Agriculture held in Paris in 1905.

The object of the Association is the promotion of the scientific and practical study of all questions connected with tropical agriculture and the development and utilisation of the natural resources of the Colonies. The first President of the Association was M. de Lanessan, formerly Governor-General of Indo-China and Minister for the Colonies in Paris, who held that office until May, 1910, when he was succeeded by Professor Wyndham Dunstan, LL.D., F.R.S., Director of the Imperial Institute. The Association has its headquarters in Paris and is governed by an International Board, from which an Executive Committee of from five to seven administrators is selected.

Several of the European countries have formed sections for facilitating the work of the Association locally and a British Section has now been constituted in London.

The work of the Association consists in promoting investigations into questions of special importance to tropical agriculture, in publishing the results of these enquiries, and in organising International Congresses for the discussion of the problems of Tropical Agriculture and Colonial Development.

In May, 1910, the Second International Congress of Tropical Agriculture and Colonial Development, organised by the Association, was held at Brussels. At this Congress reports on various enquiries initiated by the Association were read and discussed and a large number of important papers on various subjects connected with tropical agriculture and colonial development were contributed. These reports and papers are now in course of publication. A short account of the proceedings of the Congress, with abstracts of the reports and papers read by British members, is published in the "Bulletin of the Imperial Institute," vol. viii, 1910, No. 2, from which it will be seen that much useful work was accomplished and that the international enquiries conducted by the Association are already yielding results which are likely to be of the greatest importance to those interested in tropical agriculture and colonial development in the British Empire.

23rd, August, 1913.

Sir,

In answer to your letter dated 23rd. July, 1913, asking me to join and to be the representative in the Straits Settlements of, the British Section of the International Association of Tropical Agriculture, I have pleasure in replying to both questions in the affirmative.

I am sending by Postal Orders my subscription of £1.

The local press is being asked to give publicity to the matter in the circulars which you have sent, and the editors of the leading Penang papers will also be addressed.

I am, Sir,

Yours faithfully,

Professor Wyndham R. Dunstan, C.M.G., LL.D., F.R.S.

Director, Imperial Institute,

London.

British participation in the Brussels Congress was arranged for by a British Committee, and at a meeting of this Committee, held at the close of the Congress, it was decided to take steps to hold the next Congress in London, in accordance with the unanimous desire expressed at a General Assembly of the International Association. A British Section of the International Association has been formed, which will be responsible for the organisation of the Congress in London in 1914.

The work of the Association is not only of interest to Departments of Agriculture and Forestry throughout the Empire but also to planters, and to merchants and manufacturers who are concerned with tropical and colonial raw materials.

It is essential that a large membership should be secured for the British Section in order that the London Congress may be successful, and it is hoped that all interested in tropical agriculture and development throughout the Empire will join the British Section of the International Association.

The annual subscription for members of the British Section is one pound, payable on the 1st January in each year.

Members of the British Section will have the privilege of taking part in the London Congress without further special payment. They will also receive the publications of the International Association as these are issued. In addition, the quarterly "Bulletin of the Imperial Institute" will be supplied to them free of charge. A reading and writing room will be reserved at the Imperial Institute for the use of members of the section when in London, and members will also be entitled to make use of the general library and reading-rooms of the Imperial Institute.

Subscriptions may be paid by crossed cheque or money order, payable to the Secretary, British Section, International Association of Tropical Agriculture and Colonial Development, and, in the case of money orders, should be drawn on the General Post Office, London.

Letters and subscriptions should be addressed to "The Secretary, British Section, International Association of Tropical Agriculture and Colonial Development, Imperial Institute, London, S.W."

INTERNATIONAL ASSOCIATION OF COLONIAL AGRICULTURE.

EXTRACT FROM THE -BYE-LAWS:

(Adopted at a Meeting held in Paris on the 19th March, 1906)

Subscription.—In accordance with article 13 of the Statutes, the Association is composed of **Associate** Members, **Founders** and **Patrons**.

Institutions and Societies may be admitted as members of the Association, and subscriptions may be received from them.

The annual subscription for members is as follows:—**Fifteen** francs for **Associate** members and **one hundred** francs for **Founders**. The latter may compound their annual subscriptions by two consecutive payments of **five hundred** francs.

Patrons are persons or societies who have made to the Association a single subscription of not less than **one thousand** francs.

INTERNATIONAL ASSOCIATION OF COLONIAL AGRICULTURE.

SECOND INTERNATIONAL CONGRESS OF TROPICAL AGRICULTURE AND COLONIAL DEVELOPMENT. BRUSSELS. MAY 20-23, 1910.

Paris, December 9th, 1909.

SIR,

The International Association of Colonial Agriculture, which was founded after the first International Congress of Tropical Agriculture and Colonial Development held in Paris in 1905, proposes to hold a second International Congress at Brussels from the 20th to the 23rd May, 1910.

The organisation of this second Congress has been undertaken by the Belgian Society for the study of Tropical Agriculture and by an influential Belgian Committee. The International Exhibition at Brussels will be open at the date of the Congress and is likely to be of great interest to those attending the Congress. The date of the Congress has been selected with a view to facilitating the attendance of members who desire also to be present at the International Botanical Congress, which meets at Brussels from the 14th to the 22nd May.

The International Association of Colonial Agriculture has for its principal object the scientific and practical study of all questions connected with agriculture and colonial development, and the programme of the Congress is arranged with a view to including work in these and cognate subjects.

The matters which will more particularly receive attention are as follows:—

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| <i>Cultivated tropical products.</i> | <i>Applied zoology and entomology.</i> |
| <i>Forest products.</i> | <i>Tropical hygiene.</i> |
| <i>Wild plants of economic interest.</i> | <i>Colonial economics.</i> |
| <i>Origin, composition and utilisation of natural materials.</i> | <i>Statistics relating to cultivation and production in the colonies.</i> |
| <i>The manuring of crops.</i> | <i>Rural engineering and building construction.</i> |
| <i>Diseases of economic plants.</i> | <i>Colonial and tropical agriculture.</i> |
| <i>Technology and utilisation of raw materials.</i> | <i>Compilation of data relating to tropical agriculture, etc.</i> |

Various special enquiries were initiated at a preliminary meeting held in Paris in June, 1909, and circulars relating to these will be issued shortly.

Committees have been, or are being, formed in all countries interested in tropical agriculture and colonial development, with a view to stimulating interest in the work of the Congress. These Committees undertake, for their respective countries, the nomination of reporters to the Congress on special questions, and arrange for the contribution of papers by their compatriots. [A circular relating to the work of the British Committee is enclosed.]

The principal arrangements, so far made regarding the Congress, are as follows:—

The subscription to the Congress for non-members of the International Association is fixed at 15 francs for those who desire to receive copies of the Congress publications, and 10 francs for those who do not. The subscription for a lady accompanying a member of the Congress will be 10 francs. The subscription for members of the International Association will be 10 francs and this will entitle them to receive copies of all the Congress publications. [For conditions of membership of the International Association see special circular enclosed.] Persons unable to attend the Congress in person can become members and are then entitled to submit papers.

Subscriptions for the Congress should be sent to M. Vanderværen, Treasurer of the Belgian Committee, at the Ministry of the Interior and of Agriculture, Brussels, Belgium.

The official language of the Congress will be French but any language may be used in contributing papers, or in taking part in discussions.

During the Congress visits and excursions of scientific interest will be arranged and a programme of these will be issued in due course.

Persons intending to take part in the Congress are desired to communicate as soon as possible with the Secretary of the International Association, Professor F. Heim, 34, rue Hamelin, Paris, XVI^e.

J. L. de LANESSAN.
Acting President of the International Association.

**SECOND INTERNATIONAL CONGRESS
OF TROPICAL AGRICULTURE AND COLONIAL DEVELOPMENT.
BRUSSELS. MAY 20-23, 1910.**

BRITISH SECTION.

Imperial Institute, London, S.W.

An International Congress of Tropical Agriculture and Colonial Development will be held in Brussels from May 20th to 23rd next. The organisation and scope of the Congress are described in the accompanying circular, issued by the International Association of Colonial Agriculture in Paris.

A British Committee is being formed to arrange for the contribution of papers by those interested in Tropical Agriculture and Colonial Development in the United Kingdom, the Colonies and India, and the following officials have already expressed their willingness to serve on the British Committee:—

- Professor W. R. Dunstan, M.A., LL.D., F.R.S., Director of the Imperial Institute, *Chairman*.
- Mr. F. Beadon-Bryant, Inspector-General of Forests to the Government of India.
- Mr. H. Brown, Technical Superintendent, Scientific and Technical Department, Imperial Institute.
- Professor P. Carnody, F.I.C., Director of the Department of Agriculture, Trinidad.
- Mr. J. B. Carruthers, Assistant Director of Agriculture, Trinidad.
- Mr. M. T. Dawe, Officer-in-Charge, Botanical, Forestry and Scientific Department, Uganda.
- Mr. G. C. Dudgeon, Inspector of Agriculture for British West Africa.
- Dr. E. Goulding, F.I.C., Principal Assistant, Scientific and Technical Department, Imperial Institute.
- Professor J. B. Harrison, C.M.G., M.A., F.I.C., Director of the Science and Agriculture Department, British Guiana.
- Mr. M. Kelway-Bamber, F.I.C., Government Chemist, Ceylon.
- Mr. R. N. Lyne, Director of Agriculture, Zanzibar.
- Lieut.-Colonel D. Prain, I.M.S., C.I.E., M.A., M.B., LL.D., F.R.S., Director of the Royal Botanic Gardens, Kew.
- Mr. J. S. J. McCall, Director of Agriculture, Nyasaland.
- Mr. A. C. Macdonald, Director of Agriculture, East Africa Protectorate.
- Mr. J. H. Maiden, F.L.S., Director of the Botanic Gardens, Sydney, New South Wales.
- Mr. F. B. Smith, Director of Agriculture, Transvaal.
- Mr. S. Stockman, Chief Veterinary Officer of the Board of Agriculture and Fisheries in the United Kingdom.
- The Hon. F. Watts, C.M.G., D.Sc., F.I.C., Imperial Commissioner for Agriculture in the West Indies.
- Dr. J. C. Willis, M.A., Director, Royal Botanic Gardens, Ceylon.
- Dr. T. A. Henry, Superintendent of Laboratories, Scientific and Technical Department, Imperial Institute, *Acting Secretary*.

In view of the unique opportunities which the Congress will provide for agricultural and forestry officers and others interested in agriculture and development work in the Colonies and India to consider and discuss problems connected with the subjects of their work, it is important that a large attendance of British representatives should be secured.

As evidence of the interest taken in the work of the Congress throughout the Empire it may be mentioned that the following papers have been promised already to the British Committee:—

- Mr. W. L. Balls, Botanist to the Khedivial Agricultural Society, Egypt—"The Application of Mendel's Law to Cotton Breeding" and "Some Causes Affecting the Egyptian Cotton Crop."
- Mr. G. C. Dudgeon, Inspector of Agriculture for British West Africa—"The Cottons in Indigenous Cultivation in British West Africa."
- Mr. A. E. Humphries—"Wheat Production in Relation to the Requirements of the United Kingdom."
- Mr. F. B. Guthrie, F.C.S., Chemist in the Department of Agriculture, New South Wales—"Work Done in New South Wales in connection with the Improvement and Testing of Wheats."
- Mr. J. B. Pole Evans, Plant Pathologist, Department of Agriculture, Transvaal—"South African Cereal Rusts; with Observations on the Problem of Breeding Rust-resistant Wheats."
- Mr. J. Burt-Davy, Government Botanist, Department of Agriculture, Transvaal—"Problems connected with Maize-growing in South Africa."

- Professor P. Carmody, F.I.C., Director of Agriculture, Trinidad—"Preparation of Rubber."
- Mr. J. B. Carruthers, Assistant Director of Agriculture, Trinidad—"New Methods of Tapping *Castilloa* and "Cover Plants, as a Substitute for Weeding in Rubber, Cacao and other Cultivations."
- Dr. T. A. Henry, Superintendent of Laboratories, and Dr. S. J. M. Auld, Senior Assistant, Scientific and Technical Department, Imperial Institute—"The Burning Quality of Tobacco."
- Mr. G. M. Odum, late Tobacco Expert, Department of Agriculture, Rhodesia—"Tobacco Culture in South Africa."
- Mr. Easterby, Department of Agriculture, Queensland—"Cultivation and Varieties of Sugar-cane at the Sugar-cane Experiment Station, Mackay, Queensland."
- Professor P. Carmody, F.I.C., Director of Agriculture, Trinidad—"Preparation of Paper from Megass."
- Mr. Benson, Department of Agriculture, Queensland—"Manuring of Tropical Fruits."
- Professor P. Carmody, Director of Agriculture, Trinidad—"Methods of Manuring, Suitable for Natives."
- Dr. S. S. Pickles, Senior Assistant, Scientific and Technical Department, Imperial Institute—"The Aromatic Grass Oils."
- Mr. R. N. Lyne, F.L.S., Director of Agriculture, Zanzibar—"Causes Contributing to the Success of the Zanzibar Clove Industry."
- Mr. W. Macdonald, Dry Land Agronomist, Department of Agriculture, Transvaal—"Dry-farming and Land Settlement in South Africa."
- Mr. J. H. Barnes, B.Sc., F.I.C., F.C.S., Principal, Agricultural College, and Agricultural Chemist, Punjab, India—"The Alkali Lands of Northern India."
- Professor P. Carmody, F.I.C., Director of Agriculture, Trinidad—"Influence of Malarial Diseases on Labour Supply" and "Breeding of Stock Suitable for the Tropics."
- Mr. E. M. Jarvis, M.R.C.V.S., Government Veterinary Surgeon, Department of Agriculture, Rhodesia—"Economic Zoology in African Colonies."
- Mr. W. Gill, Conservator of Forests, South Australia—"The Introduction of the Remarkable Pine (*Pinus insignis*) into South Australia, and its Successful Utilisation."
- Mr. F. W. Barwick, Senior Assistant, Scientific and Technical Department, Imperial Institute—"African Wild Silks."
- Mr. G. C. Dudgeon, Inspector of Agriculture for British West Africa—"Some Important Insect Pests in British West Africa."
- Mr. C. C. Gowdey, Entomologist, Botanical, Forestry and Scientific Department, Uganda—"Insects of Economic Importance in Uganda."

The International Association of Colonial Agriculture has also arranged for the collection, in tropical countries, of information on a number of subjects of special interest, and general reports on these will be presented to the Congress, as well as reports by experts in each country concerned. The enquiries already arranged for are as follows:—

COTTON CULTIVATION.—

General Reporter—Professor W. R. Dunstan, M.A., L.L.D., F.R.S., Director of the Imperial Institute.

LABOUR CONDITIONS IN THE COLONIES AND TROPICAL COUNTRIES.—

General Reporter—Mr. Batalha Reis, Consul-General for Portugal in London.

ACCLIMATISATION OF EUROPEAN CATTLE IN TROPICAL COUNTRIES.—

General Reporter—Professor Meuleman, Brussels Military School.

Reporter for the British Colonies and India—Mr. S. Stockman, Chief Veterinary Officer to the Board of Agriculture and Fisheries of the United Kingdom.

ALCOHOLISM IN THE TROPICS.—

General Reporter—Professor Calmette, School of Tropical Medicine, Lille.

Reporter for the British Colonies and India.—Dr. Daniels, Director of the London School of Tropical Medicine.

Particulars of subscriptions to the Congress and a preliminary programme are given in the enclosed circular issued by the International Association.

All communications regarding papers for the Congress should be sent to the Secretary of the British Section, Imperial Institute, London, S.W.

To the Organising Secretaries of the
Third International Congress of Tropical Agriculture,
Imperial Institute, London, S.W.

I desire to become a member of the Third International
Congress of Tropical Agriculture, to be held in London,
in June, 1914; and I enclose*.....
for £1 (One Pound) in payment of my subscription.

It is my intention to be present at the Congress.

*Cheques to be crossed and made payable to the Secretaries,
Congress of Tropical Agriculture.

Please write distinctly—

Full name.....

Title or designation.....

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Address to which all communications should be sent:

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(Name and address should be given in the form in which it is
desired that these should appear in the official publications of the
Congress).

Date.....,191....

Preliminary General Circular.

ASSOCIATION SCIENTIFIQUE INTERNATIONALE D'AGRONOMIE
COLONIALE ET TROPICALE.

Third
International Congress of Tropical Agriculture,
London, 1914.

Preliminary
Notice.

The International Association for Tropical Agriculture (Association scientifique internationale d'Agronomie coloniale et tropicale) has decided to hold in London, in June, 1914, an International Congress, in which all countries interested in Tropical Agriculture and Forestry are invited to participate. The Association has requested the Committee of the British Section, whose headquarters are at the Imperial Institute, to make the necessary arrangements for the meeting, in co-operation with the Bureau of the International Association in Paris.

The Congress will be held at the Imperial Institute, South Kensington, London, S.W. It will open on Tuesday, June 23rd, and close on Tuesday, June 30th, 1914.

Order of
Business.

In the order of business at the Meeting, the morning sittings (10 a.m. to 1 p.m.) will be reserved for papers and discussions on subjects of general importance, each morning being devoted to a single subject; the afternoon sittings (3 to 5 p.m.) will be reserved for papers and discussions on special subjects.

Transactions.

Communications intended for the Congress may be made in English, French, German or Italian; but the general language of the Congress will be English.

The following subjects are suggested for papers and discussion at the morning meetings. Contributions on these and similar subjects are invited:—

- I. Technical Education and Research in Tropical Agriculture.
- II. Labour Organisation and Supply in Tropical Countries.
- III. Scientific Problems of Rubber Production.
- IV. Methods of developing Cotton Cultivation in New Countries.
- V. Problems of Fibre Production.
- VI. Agricultural Credit Banks.
- VII. Agriculture in Arid Regions.
- VIII. Problems in Tropical Hygiene and Preventive Medicine.

Papers for the afternoon meetings are invited on the following subjects:—

- I. Problems relating to Tropical Agriculture and Forestry.
- II. The Cultivation and Production of—

Rubber.	Tea.
Cotton and Fibres.	Coconuts.
Cereals and other Foodstuffs.	Other Agricultural Products.
Tobacco.	Forest Products.
- III. Plant Diseases and Pests affecting Tropical Agriculture.

Papers recommended for publication and Reports of Discussions will be published at the close of the Congress.

Subscription. The subscription for membership of the Congress will be £1, entitling members to admission to all meetings and receptions and to receive the volume of printed papers and discussions, on publication. Those desiring to become members of the Congress are requested to fill in the enclosed form and return it to the Organising Secretaries for the Congress, as soon as conveniently possible, in order that their names and permanent addresses may be registered.

Notices. A General Programme, with the complete arrangements, will be forwarded to all registered members before the Meeting.

Arrangements will be made for the accommodation of members of the Congress at suitable hotels.

Arrangements have been made by the Organisers of the International Rubber Exhibition and of the International Cotton, Fibres, and Allied Industries Exhibition to hold these Exhibitions during the period of the Congress, at the Royal Agricultural Hall, Islington, London, N. Members of the Congress will receive free Season tickets of admission to the Exhibitions; and special means of conveyance between the Imperial Institute and the Agricultural Hall will be provided.

The Organising Committee cordially invite all who take an interest in Tropical Agriculture and Forestry to attend the Congress and to make the contents of the present circular as widely known as possible.

All correspondence relating to the communication of papers and the arrangements for the Congress should be addressed to:—

The Organising Secretaries,
Third International Congress of Tropical Agriculture,
Imperial Institute,
London, S.W.

WYNDHAM R. DUNSTAN,

*President of the International Association and
Chairman of the Organising Committee for the Congress in London*

F. HEIM,
Secrétaire Perpétuel de l'Association Internationale, Paris.

T. A. HENRY,
H. BROWN. } *Honorary Organising Secretaries for the Congress in London.*

To the Organising Secretaries of the
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I desire to become a member of the Third International
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Congress).

Date....., 191....

MEMBRES DU BUREAU INTERNATIONAL DE L'ASSOCIATION.

Président en exercice (1910-1915):

M. le Prof. DUNSTAN, Directeur de l'Institut Impérial, Londres, Membre de la Société royale de Londres,

Président sortant (1-ère période d'exercice, 1905-1910):

M. le Prof. J. L. de LANESSAN, ancien Ministre, ancien Gouverneur Général de l'Indo-Chine.

Vice-Présidents:

Allemagne.—M. le Prof. A. ENGLER, Membre de l'Académie des Sciences de Berlin Directeur des Musée et Jardin botanique royaux de Berlin, et de la Station botanique centrale pour les Colonies allemandes.

M. le Prof. Dr. WOHLTMANN, Conseiller privé, Directeur de l'Institut agricole de l'Université de Halle sur Saale.

Angleterre.—M. le Colonel Sir D. PRAIN, Directeur du Jardin royal, Kew, Membre de la Société royale de Londres.

Indes-britanniques.—M. BERNARD COVENTRY, Conseiller agricole du Gouvernement.

Belgique.—M. Ch. LIEBRECHTS, Conseiller d'Etat à Bruxelles.

M. E. LEPLAE, Directeur général de l'Agriculture du Congo Belge, au Ministère des Colonies à Bruxelles.

M. E. de WILDEMAN, Directeur du Jardin botanique de l'Etat.

Brésil.—S.E.M. OLYNTHO de MAGALHAES, Ministre du Brésil à Paris.

Egypte.—M. G. C. DUDGEON, Directeur Général de l'Agriculture au Caire.

Equateur.—S.E.M. le Dr. RENDON, Ministre de l'Equateur à Paris.

Espagne.—M. le Prof. VINCENTE ARCHE, Chef des Services de l'Enseignement et de l'Expérimentation agricoles, au Ministère de l'Agriculture, à Madrid.

M. E. GOMEZ FLORES, Chef du Service agronomique des Canaries, à Las Palmas.

France.—M. le MYRE de VILLERS, Ambassadeur, Président honoraire de la Société d'Acclimatation de France.

M. le Prof. MUNTZ, de l'Institut national agronomique, Membre de l'Académie des Sciences de Paris.

M. le Prof. EDMOND PERRIER, Directeur du Muséum national d'Histoire naturelle, Membre de l'Académie des Sciences de Paris.

M. le Prof. PRILLIEUX, de l'Institut national agronomique, Membre de l'Académie des Sciences de Paris.

M. le Dr. ROUX, Directeur de l'Institut Pasteur, Membre de l'Académie des Sciences de Paris.

M. TISSERAND, Directeur honoraire de l'Agriculture de l'Académie des Sciences de Paris.

Italie.—S.E.M. le Prof. NITTI, Ministre de l'Agriculture, de l'Industrie, et du Commerce à Rome.

S.E.M. le Prof. SANARELLI, Secrétaire d'Etat au Ministère de l'Agriculture, de l'Industrie et du Commerce à Rome.

M. le COMTE SABINI, Attaché commercial à l'Ambassade d'Italie à Paris.

Mexique.—S.E.M. de MIER, ancien Ministre du Mexique à Paris.

S.E.M. OLEGARIO MOLINA, ancien Ministre de l'Agriculture à Mexico.

Pays-bas.—M. le Prof. H. J. LOVINK, Directeur général du Département de l'Agriculture, des Indes néerlandaises à Buitenzorg.

Portugal.—M. le Prof. FREIRE D'ANDRADE, Directeur général des Colonies, au Ministère des Colonies, à Lisbonne.

S.E.M. le Prof. BATALHA-REIS, Ministre du Portugal à Saint-Pétersbourg.

M. le Prof. J. HENRIQUES, Directeur du Jardin botanique de l'Université de Coimbra.

M. le Prof. de MONTE-PEREIRA, ancien Directeur au Ministère des Colonies, à Lisbonne.

Russie.—M. le Prof. BORIS de FEDTSCHENKO, du Jardin botanique impérial de Saint-Pétersbourg.

Turquie.—M. le Prof. HASSIB BAYINDIRLY, Directeur de l'Enseignement agricole au Ministère de l'Agriculture, à Constantinople.

Administrateur-Trésorier:

M. S. de la RUPELLE, Secrétaire général de la Société générale pour favoriser le développement des Commerce et de l'Industrie, à Paris.

Secrétaire Perpétuel:

M. le Dr. F. HEIM, Professeur à l'école nationale supérieure d'Agriculture coloniale, et au Conservatoire nationale des Arts et Métiers.

Over.

Organising Committee for the Congress in London.

Chairman—PROF. WYNDHAM R. DUNSTAN, C.M.G., M.A., LL.D. F.R.S.,

Members.

- Mr. M. KELWAY BAMBER, Government Chemist, Ceylon.
Mr. J. R. BLACKWOOD, Director of Agriculture, Bengal.
Mr. J. R. BOVELL, I.S.O., Superintendent of Agriculture, Barbados.
Mr. I. H. BURKILL, M.A., F.L.S., Director of Gardens, Singapore.
Prof. P. CARMODY, Director of Agriculture, Trinidad.
Mr. D. T. CHADWICK, Director of Agriculture, Madras.
Mr. B. COVENTRY, C.I.E., Agricultural Adviser to the Government of India.
Dr. C. W. DANIELS, Medical Adviser to the Colonial Office, London.
Mr. M. T. DAWE, Director of Agriculture in the Territory of the Mozambique Coy.
Prof. F. DEBONO, Inspector of Agriculture, Malta.
Mr. G. C. DUDGEON, Director-General of Agriculture, Egypt.
Mr. P. R. DUPONT, Curator, Botanic Station, Seychelles.
Dr. E. GOULDING, Imperial Institute, London.
Mr. E. ERNEST GREEN, late Government Entomologist, Ceylon.
Mr. W. S. HAMILTON, Director of Agriculture and Industries, Punjab.
Prof. J. B. HARRISON, C.M.G., Director of the Department of Science and Agriculture, British Guiana.
Mr. W. HOPKINS, Director of Agriculture, Sierra Leone.
Mr. A. E. HUMPHRIES, Chairman, Home-grown Wheat Committee.
Mr. J. A. HUTTON, Chairman, British Cotton-Growing Association.
Mr. W. H. JOHNSON, Director of Agriculture, Southern Nigeria.
Mr. C. H. KNOWLES, Superintendent of Agriculture, Fiji.
Mr. P. H. LAMB, Director of Agriculture, Northern Nigeria.
Mr. L. LEWTON-BRAIN, Director of Agriculture, Federated Malay States.
Mr. R. N. LYNE, Director of Agriculture, Ceylon.
Mr. A. C. MacDONALD, Director of Agriculture, East Africa Protectorate.
Mr. J. MacKENNA, Director of Agriculture, Burma.
Mr. J. S. J. McCALL, Director of Agriculture, Nyasaland.
Mr. F. C. McCLELLAN, Director of Agriculture, Zanzibar.
Mr. J. McSWINEY, Director of Land Records and Agriculture, Assam.
Dr. E. A. NOBBS, Director of Agriculture, Rhodesia.
Lt.-Col. Sir D. PRAIN, C.M.G., C.I.E., LL.D., F.R.S., Director, Royal Botanic Gardens, Kew.
Mr. H. N. RIDLEY, C.M.G., F.R.S., Late Director of Gardens and Forests, Singapore.
Mr. S. SIMPSON, B.Sc., Director of Agriculture, Uganda.
Mr. H. HAMEL SMITH, Editor of "Tropical Life," London.
Mr. F. A. STOCKDALE, Director of Agriculture, Mauritius.
Sir STEWART STOCKMAN, Chief Veterinary Officer, Board of Agriculture and Fisheries, London.
Mr. W. S. D. TUDHOPE, Director of Agriculture, Gold Coast.
Mr. W. T. TUTCHER, Superintendent, Botanical and Forestry Department, Hong Kong.
Dr. F. WATTS, C.M.G., Imperial Commissioner of Agriculture for the West Indies.
Dr. T. A. HENRY, Imperial Institute, London,
Mr. HAROLD BROWN, Imperial Institute, London, } Honorary Secretaries.



Fourth International Rubber and Allied Industries Congress, London, June, 1914.

Notice.

The Fourth International RUBBER and Allied Industries CONGRESS will meet at the Exhibition, at the Royal Agricultural Hall, on Tuesday, 30th June, at 11 a.m. Sir Henry A. Blake, G.C.M.G., President, will welcome the Delegates and deliver an inaugural address.

Conference, 1911.

Those who attended the Conference Meetings, held in connection with the Rubber and Allied Trades Exhibition in London, in 1911, will doubtless recall the many profitable discussions that followed the reading of an exceptionally interesting series of papers.

The intention is that the Conference Meetings connected with the coming Exhibition of 1914 shall be so arranged and conducted as to be of still more interest and profit to those who attend.

Order of Business.

This being a preliminary notice the Executive Committee do not think that, at this date, it is advisable to fix a definite plan regarding the actual hour and day on which papers should be read, but to facilitate the arrangement of the daily Conference programmes it is requested that all who intend to present papers should send in the titles at once.

Papers.

The Executive Committee cordially invite the presentation and reading of papers by any who desire to do so; and in order that all papers written in languages other than English may be translated, and the translations ready for circulation at the Conference Meetings, it is urged that papers be prepared and forwarded to London at the earliest possible date.

Members.

While it is necessary to register every member attending the Conference, no subscription is asked for, and the Secretaries request that all those who propose to attend and take part register at once, so that all future notices may be sent to them.

Illustrated Lectures.

A room has been set apart in the Exhibition to enable members to illustrate their papers or lectures by means of lantern or other apparatus.

Correspon- dence.

All correspondence relating to the Congress should be addressed to the Hon. Secretaries,

FOURTH INTERNATIONAL RUBBER & ALLIED INDUSTRIES CONGRESS,
EXHIBITION OFFICES, 75 CHANCERY LANE,
LONDON, W.C.

THE FOLLOWING SUBJECTS FOR PAPERS ARE SUGGESTED :—

Descriptive,
Historical and
General.

Cultivation &
Botanical.

Planting, weeding and tapping of trees; the question of yields and cost; growth and plant sanitation; insect and fungus pests; soils; labour; manures, &c.

Commercial,
Statistical and
Financial.

Exports and imports of wild and cultivated rubbers; evolution of prices; ratio of prices to consumption and crops.

Rubber
Preparation.

Collection and coagulation of latex; smoking; drying and packing of rubber; chemical and physical study of latex and of raw rubbers.

Rubber
Testing.

Analysis and physical and chemical tests of raw and manufactured rubbers; vulcanization tests and methods; evaluation of raw rubbers; standardization of plantation rubbers.

Labour
Organization.

Labour in all countries. Indentured labour.

Rubber
Nomenclature.

Substitutes; waste, reclaimed and reformed rubber. Synthetic rubber. Processes of manufacture. Patents.

EXECUTIVE COMMITTEE

FOURTH INTERNATIONAL RUBBER AND ALLIED INDUSTRIES
CONGRESS.

President:

Sir HENRY A. BLAKE, G.C.M.G.

Chairman:

JOSEPH TORREY, Ph.D.

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Prof. PERROT, Ecole Superieure de Pharmacie, Universite de Paris.

C. E. S. BAXENDALE, Esq. (Planter).

HERBERT WRIGHT, Esq., A.R.C.S., F.L.S.

PHILIP SCHIDROWITZ, Ph.D.

LOUIS HOFF, Esq. (Harburg and Vienna Rubber Works).

F. PEGLER, Esq. (Northern Rubber Co.)

A Delegate from Brazil to be appointed.

EDWARD G. SALMON, }
A. STAINES MANDERS, } *Hon. Secretaries.*

Congress Committee of the Rubber Growers' Association:

The Hon. EVERARD FEILDING.

R. W. HARRISON, Esq.

RICHARD HOFFMAN, Esq.

This Committee will shortly issue a special notification in reference to the Congress.

THE EXHIBITION

Opens at

The Royal Agricultural Hall, London,

On Wednesday, 24th June, 1914.

“Rubber Industry,” 1914,

Will be issued as soon after the closing of the Conference as possible, and will contain the papers read and discussions thereon, reports of other proceedings of the Exhibition, and the Awards in the various Competitions.

The Fourth International Rubber Banquet

Will be held on

Tuesday, 7th July, 1914.

Fourth International

RUBBER
and Allied Industries
CONGRESS

Royal Agricultural Hall,
London,

30th June, 1914.

THE EXHIBITION

Opens on
WEDNESDAY, 24th JUNE,

And closes
THURSDAY, 9th JULY,
1914.